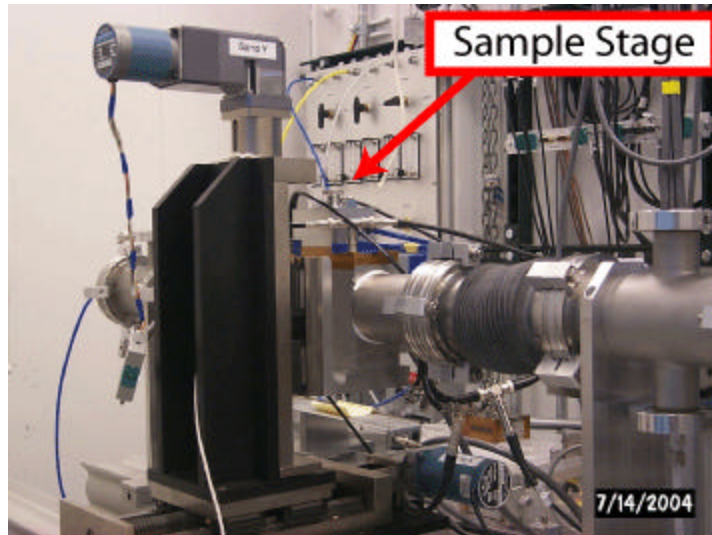
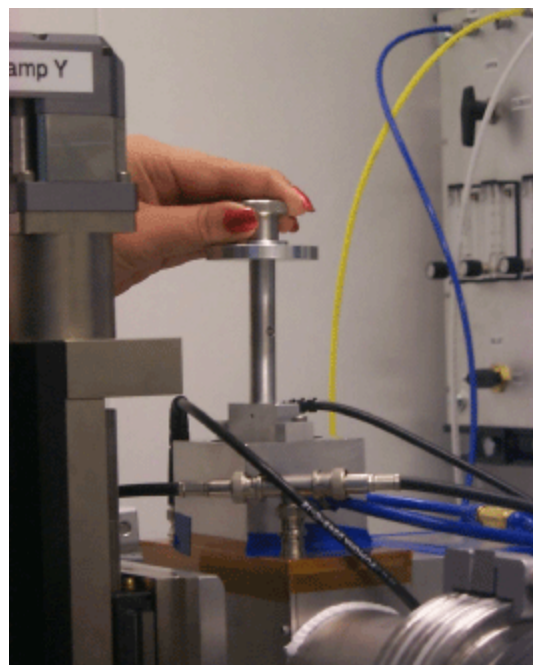


## *How to Change Samples:*

The sample stage in the 9-BM B Hutch is set up as shown in pictures P1 and P2 below:



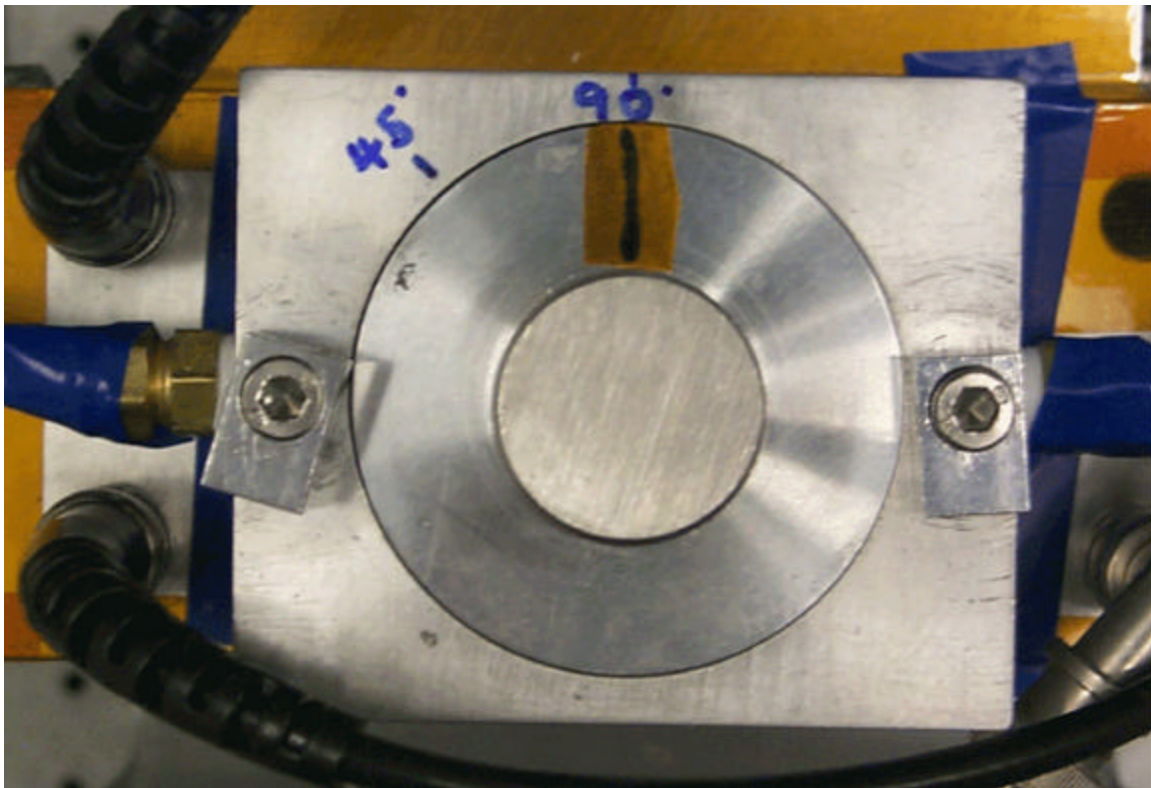
(P1)



(P2)

### Transmission Mode:

1. Turn sample holder 90 degrees counter-clockwise.
2. Lift holder out (as in photo P2 above) and attach sample.  
The sample surface should be facing the upstream direction.
3. Re-insert, turn 90 degrees clockwise such that the line on the holder is pointing towards the inboard side of the hutch. See Picture P3 Below:

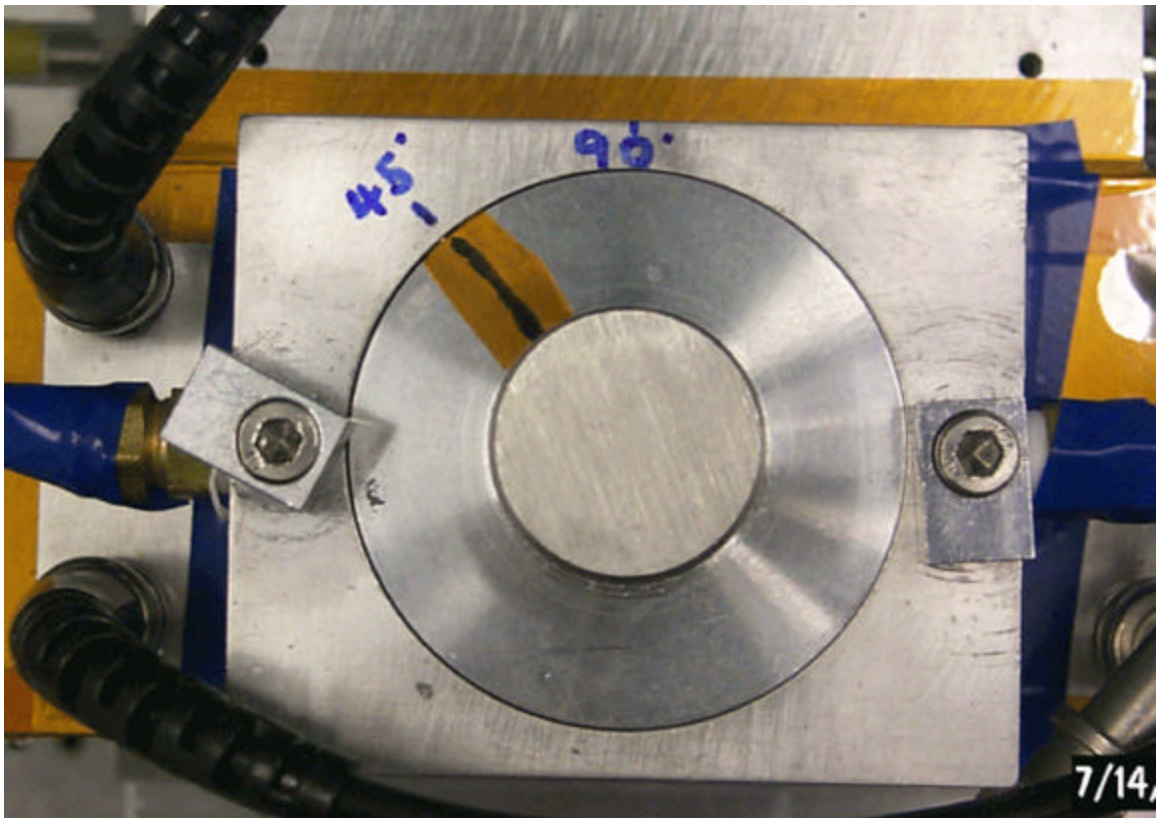


(P3)

*Note: if helium is being used, the holder will have to be loosened first. The hex wrench is attached to the sample stage.*

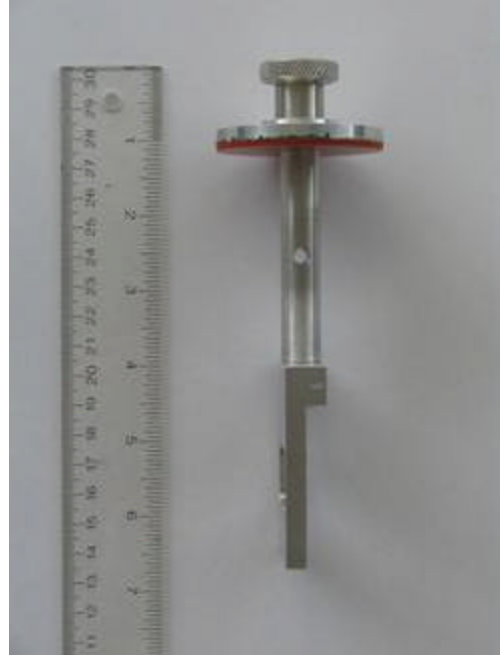
### Fluorescence Mode:

1. Turn sample holder 45 degrees counter-clockwise.
2. Lift holder out (as in photo P2 above) and attach sample.  
The sample surface should be facing the upstream direction.
3. Re-insert, turn 45 degrees clockwise such that the line on the holder is pointing towards the inboard side of the hutch. See Picture P4 Below:



(P4)

## Sample Holder:



1. Place sample in rectangular opening of sample stage and secure with scotch tape or by some other means.
2. It may be helpful to first load a piece of burn paper to see where the beam will hit the sample.